

What is claimed is:

1. A method for transmitting measured data from a measuring computer (28, 36, 46) to a control computer (50) of a measuring system;  
the measuring computer (28, 36, 46) and the control computer (50) being interconnected via a telecommunications network (10), such as Internet, Intranet or similar,  
wherein in order to reduce the volume of measured data, this data is combined into characteristic values over a predetermined time interval, and these characteristic values are transmitted from the measuring computer (28, 36, 46) to the control computer (50) instead of the measured data combined into characteristic values.
2. The method as recited in Claim 1,  
wherein measured data is generated for a plurality of measurement parameters, the measured data being is combined into characteristic values according to the respective measurement parameter.
3. The method as recited in Claim 1 or 2,  
wherein the characteristic values used are the minimum, the mean value, the maximum, the standard deviation and/or similar statistical values of the measured data over the time interval.
4. The method as recited in one of the preceding claims,  
wherein the time interval for combining the measured data is determined as a function of the measuring method.
5. The method as recited in one of the preceding claims,  
wherein measurement packets, in particular UDP measurement packets (User Datagram Protocol), are transmitted between two measuring computers (28, 36, 46).
6. The method as recited in Claim 5,  
wherein during the detection of measurement packet losses in a time interval, first of all, the sum of all packets lost is determined as a characteristic value and, secondly, the maximum of all successively occurring packet losses ("bursts") is determined as a characteristic value in each instance.

7. The method as recited in Claim 5 or 6,  
wherein a measuring system is used that serves to determine unidirectional transmission characteristics and the results that can be derived therefrom.
8. The method as recited in one of the Claims 5 through 7,  
wherein the one measuring computer (28, 36, 46) acts as a sender and the other measuring computer (28, 36, 46) acts as a receiver; the other measuring computer (28, 36, 46) combining the measured data into characteristic values and transmitting them to the control computer (50).
9. The method as recited in one of claims 7 or 8,  
wherein the characteristic values formed from the measured data are the mean one-way delay, the maximum and minimum one-way delays, the standard deviation of the one-way delay, the mean IP delay variation, the maximum IP delay variation, the standard deviation of the IP delay variation, the packet loss and/or the throughput as well as further statistical characteristic values.
10. The method as recited in one of the preceding claims,  
wherein the characteristic values are associated with the time at which the measured data is combined into characteristic values.
11. The method as recited in one of the preceding claims,  
characterized by a method according to DE 100 46 240.5, DE 101 28 927.8 and/or according to the applicant's patent applications entitled "METHOD FOR THE OUTPUT OF STATUS DATA" and "METHOD FOR TEMPORAL SYNCHRONISATION OF AT LEAST TWO MEASURING COMPUTERS COOPERATING OVER A TELECOMMUNICATIONS NETWORK SUCH AS INTERNET, INTRANET OR SILIMAR", filed on the same day in view of this patent application.
12. A system for carrying out the method according to one of the preceding claims.

Abstract